

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,042,861 B1
 APPLICATION NO. : 09/786945
 DATED : May 9, 2006
 INVENTOR(S) : Frank Kowalewski

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2, line 14 change "is the quality" to --if the quality--

Column 2, line 28 change from " $\delta \sim g$ " to -- $\delta \cdot g$ --

Column 2, line 37, change from " $\underline{g}^{T=A} \sim (S^T - A \sim \hat{d}^T)$," to
 -- $\underline{g}^{T=A^H} \cdot (\underline{g}^T - A \cdot \hat{d}^T)$, --

Column 3, line 3, change from " $\delta \sim g$ " to -- $\delta \cdot g$ --

Column 3, line 5, change from " $\delta \sim g$ " to -- $\delta \cdot g$ --

Column 3, line 6, change from "approximation term g " to
 --approximation term \underline{g} --

Column 3, line 55, change from
 " $\underline{a}^{(k)} = (d^{(k)}_1 \sim c^{(k)}_1, \dots, d^{(k)}_1 \sim c^{(k)}_Q, \dots, d^{(k)}_M \sim c^{(k)}_1, \dots, d^{(k)}_M \sim c^{(k)}_Q)$ " to
 $\underline{a}^{(k)} =$
 -- $(d^{(k)}_1 \cdot c^{(k)}_1, \dots, d^{(k)}_1 \cdot c^{(k)}_Q, \dots, d^{(k)}_M \cdot c^{(k)}_1, \dots, d^{(k)}_M \cdot c^{(k)}_Q)$ --

Column 4, line 28, change from " $\underline{S}^T = A \sim \underline{d}^T + \underline{n}^T$ " to -- $\underline{S}^T = A \cdot \underline{d}^T + \underline{n}^T$ --

Column 4, line 33, change from " $\hat{d}^T = A^H \sim \underline{S}^T$ " to -- $\hat{d}^T = A^H \cdot \underline{S}^T$ --

Column 4, line 39, change from " $\hat{d}^T = (A^H \sim A)^{-1} \sim A^H \sim \underline{S}^T \sim$ " to
 -- $\hat{d}^T = (A^H \cdot A)^{-1} \cdot A^H \cdot \underline{S}^T$ --

Column 4, line 43, change "+ $\delta \sim g$ " to -- + $\delta \cdot g$ --

Column 4, line 47, change from " $\delta = \frac{\|\underline{g}^2\|}{\|A \cdot \underline{g}\|^2}$ " to -- $\delta = \frac{\|\underline{g}\|^2}{\|A \cdot \underline{g}\|^2}$ --

Column 5, line 37, change from " $\delta \sim g$ " to -- $\delta \cdot g$ --

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Column 5, line 40, change from "approximation term g " to
--approximation term \underline{g} --

Column 5, line 43, change from " $\delta \sim g$ " to -- $\delta \cdot \underline{g}$ --

Column 5, line 45, change from "approximation term g " to
--approximation term \underline{g} --

Column 5, line 47, change from " approximation term $\delta \sim g$ " to
-- approximation term $\delta \cdot \underline{g}$ --

Column 5, line 65, change from "is a quality" to -- if a quality--

Column 6, line 7, change from " $\delta \sim g$ " to -- $\delta \cdot \underline{g}$ --

Column 6, line 12, change from " $\delta = \frac{\|g^2\|}{\|A \cdot g\|^2}$ " to -- $\delta = \frac{\|\underline{g}\|^2}{\|A \cdot \underline{g}\|^2}$ --

Column 6, line 58, change from "approximation term $\delta \sim g$ " to
-- approximation term $\delta \cdot \underline{g}$ --

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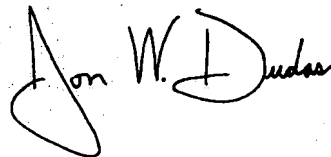
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6, line 62, change from "δ~g includes" to -- δ·g includes --

Signed and Sealed this

Thirtieth Day of October, 2007

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looping initial "J" and a distinct "D".

JON W. DUDAS
Director of the United States Patent and Trademark Office